

<u>Geno</u>	<u>Pheno</u>
$I^A I^A$ or $I^A i$	Type A
$I^B I^B$ or $I^B i$	Type B
$I^A I^B$	Type AB
ii	Type O

$I^A I^B \times I^B i$

	I^A	I^B
I^B	$I^A I^B$	$I^B I^B$
i	$I^A i$	$I^B i$

Geno: $I^A I^B$ $I^B I^B$ $I^B i$ $I^A i$
 Pheno: Type AB Type B Type B Type A
 25% 50% 25%

Type B homo ←
 Type B hetero ←

Exception to Mendel's Notes

Incomplete dominance: heterozygous phenotype is a blend of the dominant and recessive phenotypes

Red (RR) \times White (rr) \rightarrow Pink (Rr)

Pink flower (Rr) \times Red flower (RR)

	R	r		
R	RR	Rr	Geno:	RR Rr
R	RR	Rr	Pheno:	Red Pink
				50% 50%

Co-Dominance - two alleles contribute to the phenotype

Black ($F^B F^B$) \times White ($F^W F^W$) \rightarrow Black + White (Speckled) ($F^B F^W$)

Multiple Alleles - gene that has more than two alleles ex - Blood type

I^A I^B

Co-dominant

i

Recessive